



**Edward Kolodziej**

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Todd Gmitro  
Corrective Action Project Manager  
Remediation and Reuse Branch - U.S. EPA Region 5  
77 W. Jackson Blvd. (LU-9J)  
Chicago, IL 60604

Re: General Electric Company, Evendale, Ohio  
OHD 000 817 312  
Progress Report

Dear Mr. Gmitro:

Please find attached the Fourth Quarter 2016 Progress Report. If you have any questions, please contact me at (610) 992-7981.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision according to a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manages the system or those persons directly responsible for gathering the information, the information is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Sincerely,

Ed Kolodziej  
Senior Project Manager – Environmental Remediation

cc: Chief Mike Hauck, Evendale Fire Department  
Tim Hull, Ohio EPA  
Ralph Mertz, BUSTR (Incident Number: 31001060)  
John Wolfe, United States Air Force  
Kent Scott-Smith, United States Air Force  
Joanne Reinhold, GE

***Description of Work Completed in Fourth Quarter 2016:***

- Performed continuous pumping from extraction wells in each water-bearing unit. The average pumping rates for the fourth quarter 2016 were:

<u>Well ID</u>	<u>Unit</u>	<u>4Q 2016 Average Pumping Rate (gpm)</u>
EW-2P	Perched	19*
EW-4P	Perched	42
EW-5P	Perched	23
EW-6P	Perched	19
EW-7S	USG	8
EW-3D	LSG	32*
EW-8D	LSG	47

Total 4Q2016 Avg = 190gpm

\*Note: EW-2P pump not operational in Nov-Dec 2016; prior to failure average pumping rate at 41 gpm  
EW-3D is planned to be redeveloped by GE in the first quarter of 2017

- Continued operation of the IRM groundwater treatment system (GWTS), including maintenance activities, permit compliance sampling and analysis, and reporting of key operational parameters. Operational run-time for the treatment plant was 98.8% during the fourth quarter 2016.
- Performed monthly inspections of the GWTS piping clean-out between October through December, 2016. No damage or defects were observed during any of the inspections.
- Continued CMS activities and development of the CMS Report, with consideration to USEPA review and comments on interim reports received subsequent to a meeting at USEPA Region V on September 7, 2016. Highlights of key CMS activities conducted in the fourth quarter of 2016 include:
  - Completed the EW-7S/EW-8D Pilot Test Interim Report and submitted the report to USEPA on October 25, 2016.
  - Conducted a conference call with USEPA on November 1, 2016 to discuss USEPA's September 2016 comments on the Soil Pathway Interim Report. Discussions during the conference call were focused on details regarding the risk exposure calculations used in deriving preliminary soil corrective measure objectives. A draft summary of meeting discussions and understandings was submitted to USEPA on November 10, 2016. Per agreement with USEPA, revisions to the Soil Pathway Interim Report will be prepared in redline format to be included as an appendix to the CMS Report.
  - Per USEPA September 2016 comments regarding Soil Vapor Pathway Interim Reports, conducted a second round of indoor air and sub-slab vapor sampling for Building 800 as well as select shallow soil vapor sampling along the southeast perimeter of the Facility on October 10, 2016. Results of the perimeter sampling were submitted to USEPA on November 28, 2016 and the updated Facility Vapor Summary Report was submitted to USEPA on November 30, 2016. These reports will be included as an appendix to the CMS report.
  - In response to discussions and feedback from USEPA during the September 7, 2016 meeting, GE continued to develop additional information regarding future facility plans

and SWMU management and soil management activities at the Facility. This information will be provided in a redline version of the Institutional & Engineering Controls (I&EC) Interim Report to be included as an appendix to the CMS Report.

- Conducted a semiannual technical meeting/conference call on December 8, 2016 with the US Air Force pertaining to RCRA corrective action activities on former AFP-36.
- Continued progress monitoring of aquifer conditions in the three water-bearing units in accordance with the Performance Monitoring Plan (PMP). Submitted the 3<sup>rd</sup> quarter IRM Groundwater Monitoring Report to USEPA on November 22, 2016.
- Conducted IRM water level monitoring and transducer downloading on October 4, 2016.
- Conducted the 4<sup>th</sup> quarter/2<sup>nd</sup> semiannual 2016 IRM groundwater sampling between December 5, 2016 and December 8, 2016. Well OSMW-8S was sampled on December 28, 2016 to allow time for passive diffusion bag equilibration prior to sampling.
- The Tier 1 report submittal to Ohio BUSTR regarding the Building 500 UST was approved by Ohio BUSTR on December 18, 2015. GE submitted the Tier 2 report to Ohio BUSTR on October 3, 2016.
- On December 1, 2016, USEPA was notified via phone discussion of plans by GE to remove lime precipitate sludge from SWMU 30 (Basin #4) for placement in a nearby lime basin (SWMU 29 and/or 31). The movement of sludge from one SWMU to another was needed to provide additional space for placement of lime precipitate sludge that continues to be created and to support plans for beneficial reuse of that lime precipitate. The project was completed in December 2016. A brief update on activities conducted in December 2016 includes:
  - Relocated approximately 25,000 yd<sup>3</sup> of residual lime from SWMU-30 to SWMU-29 and 31.
  - Constructed a steel sheet pile wall to separate the removed lime area from the remaining portion of SWMU-30 to allow fresh lime to be available for beneficial reuse.
- Facility north end repurposing/SWMU 20 – No activity

***Summary of All Findings:***

- None

***Contacts with the Public:***

- None

***Problems or Potential Problems Encountered:***

- None

***Actions Taken to Rectify Problems:***

- None

***Changes in Personnel during Reporting Period:***

- None

***Projected Work for First Quarter 2017:***

- Continue pumping in the three aquifer zones (Perched, USG and LSG) and progress monitoring of aquifer conditions as outlined in the PMP. Conduct IRM water level monitoring and transducer download in early January 2017.
- Continue operating the IRM groundwater treatment plant, including scheduled maintenance activities, permit compliance sampling and analysis, and reporting of key operational parameters.
- Perform monthly inspections of GWTS piping clean-outs.
- Re-develop extraction well EW-3D. Replace failed pump motor in extraction well EW-2P during the same mobilization as the re-development of extraction well EW-3D.
- Submit the CMS Report, with consideration to USEPA review and comments on interim reports.
- Prepare the 4<sup>th</sup> quarter/2<sup>nd</sup> semiannual IRM Groundwater Monitoring Report and submit to USEPA.
- Conduct 1<sup>st</sup> quarter IRM groundwater monitoring in late 1<sup>st</sup> quarter 2017.
- Collect a round of indoor air sampling for Building 800 at prior indoor air sample locations.
- Replace well AF-23P in the vicinity of the original plugged and abandoned well.
- Initiate plans and coordinate with Ohio Department of Transportation (ODOT) for well decommissioning/relocation activities associated with new roadway construction inside the western to north portion of GE property.

***Copies of Daily Reports and Laboratory/Monitoring Data:***

- None